DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD			LLL LLL LLL LLL
DDD DD			LLL
DDD DD			LLL
DDD DD			
DDD DD			
DDD DD			LLL
DDD DD			iii
DDD DD			ΙΙΙ
DDD DD			iii
DDD DD			LLL
000 00			LLL
DDD DD			iff
DDD DD			rrr Lrr
DDD DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	D CC	נככככככככככ	
DDDDDDDDDDDD		000000000000000000000000000000000000000	
DDDDDDDDDDDD		000000000000000000000000000000000000000	

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	10000000 100000000 100000000000000000		PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	\$	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
LL LL LL LL LL LL LL LL LL LL LL LLLLLL		\$				

0

11 :\* 12 :\* 13 :\*

14 :\*

15 ;\*

16 :\*

18 \*

15-SEP-1984 23:42:55 VAX/VMS Macro V04-00 4-SEP-1984 23:40:07 [DCL.SRC]DCLPARSE.MAR;1

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.TITLE DCLPARSE - PARSE A DCL COMMAND .IDENT 'V04-000'

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AUTHOR: TIM HALVORSEN, NOV 1980

MODIFIED BY:

V03-014 HWS0083 Harold Schultz 19-Jul-1984
fix building of error message frame for LIB\$SIGNAL.
In the event of a buffer overflow, signal CLI\$\_BUFOVF
instead of SS\$\_BUFFEROVF

V03-013 PCG0019 Peter George 08-Dec-1983 Fix bug in error message routine.

V03-012 PCG0018 Peter George 27-Jul-1983 Fill in WRK\_L\_SIGNALRIN.

V03-011 PCG0017 Peter George 15-Jun-1983 Return, do not signal, NOCOMD status. Remove special code for negative statuses.

V03-010 PCG0016 Peter George 20-Apr-1983 Include command segment when signalling syntax errors. Clear WRK\_B\_PARMSUM.

V03-009 PCG0015 Peter George 15-Feb-1983 Update to new structure level.

V03-008 PCG0014 Peter George 08-Jan-1983 Change .ASCID default prompt to .ASCIC.

V03-007 PCG0013 Peter George 27-Dec-1982

L

```
58
59
                                                                 Fix accvio in referencing command descriptor.
                                  ŎŎŎŎ
                                           60
                                   0000
                                                        V03-006 PCG0012
                                                                                   Peter George 14-Dec-1982
                                                                 For compatibility, partially back off PCG0011.
                                           63 64 65
                                                        V03-005 PCG0011
                                                                                   Peter George
                                                                                                     02-Dec-1982
                                                                 Command string is passed in by descriptor,
                                   0000
                                                                 rather than address of descriptor.
                                   0000
                                           66
67
68
69
70
                                                        V03-004 PCG0010
                                                                                   Peter George
                                                                                                     16-Nov-1982
                                                                 Get prompt string descriptor from INT instead
                                   0000
                                   0000
                                                                 of just the address of the descriptor.
                                                                 Use WRK_G_INPUF instead of WRK_G_DCLPRSBUF.
                                           71 72 73 74
                                   0000
                                   0000
                                                        V03-003 PCG0009
                                                                                   Peter George
                                                                                                     15-Nov-1982
                                                                 Use STRTOOLNG instead of PMPTOOLNG.
                                   0000
                                   0000
                                           75
76
77
                                   0000
                                                        V03-002 PCG0008
                                                                                   Peter George
                                                                                                     15-0ct-1982
                                                                 Get the PROBEs right this time.
                                   0000
                                   0000
                                                                 Accept a prompt string as another argument.
                                           78
79
                                   0000
                                                                 Prompt for a command line if none is supplied.
                                   0000
                                   0000
                                                        V03-001 PCG0007
                                                                                   Peter George
                                                                                                    15-Jul-1982
                                   0000
                                                                 Add keyword parsing support.
                                   0000
                                                                 Use INT data structure.
                                                                 Add support for prompt and continuation routines. Correct sense of branches after PROBEs.
                                   0000
                                   0000
                                   0000
                                                                 Remove unneccessary macro library calls.
                                           86
87 :--
                                   0000
                                   0000
                                           88
                                   0000
                                  0000
                                              ; MACRO LIBRARY CALLS
                                  0000
                                           91
                                  0000
                                           93
93
95
96
97
                                  0000
                                  0000
                                                        $$CLITABDEF
                                                                                            : DEFINE TABLE STRUCTURES
                                   0000
                                                        $$INTDEF
                                                                                              DEFINE INTERFACE FORMAT
                                                                                              DEFINE CLINT OWN STORAGE AREA
                                   0000
                                                        DCLDEF
                                   0000
                                                                                              DEFINE COMMAND WORK AREA
                                                        WRKDEF
                                   0000
                                                                                              DEFINE SYSTEM MESSAGES
                                                        $SSDEF
                                           98
99
                                                        $CLIMSGDEF
                                                                                              DEFINE ERROR/STATUS VALUES DEFINE STATUS CODE FIELDS
                                   0000
                                   0000
                                                        $STSDEF
                                   0000
                                          100
                                                        $PSLDEF
                                                                                              DEFINE PROCESSOR STATUS FIELDS
                                   0000
                                          101
                                          102 CTRLZ
103
                       000001A
                                                        = 26
                                  0000
                                                                                            : CONTROL/Z CHARACTER
                                   0000
                              0000000
                                          104
                                                        .PSECT DCL$ZCODE.BYTE.RD.NOWRT
                                   0000
                                          105
                                          106 DEFAULT_PROMPT:
                                   0000
20 3E 44 4E 41 4D 4D 4F 43 00'
                                                        .ASCIC /COMMAND> /
                                  0000
```

```
DCLPARSE
V04-000
```

```
- PARSE A DEL COMMAND
PARSE A DCL COMMAND
```

004F

15-SEP-1984 23:42:55 VAX/VMS Macro V04-00 4-SEP-1984 23:40:07 [DCL.SRC]DCLPARSE.MAR;1

```
3 (2)
Page
```

```
.SBTTL PARSE A DCL COMMAND
                               000A
000A
                                         110
                                         111
                                              : DCL$DCLPARSE - PARSE A DCL COMMAND STRING
                                         112
                                                 THIS ROUTINE PARSES A DCL COMMAND STRING GIVEN THE ADDRESS OF THE COMMAND
                                                 TABLES WHICH DESCRIBE THE SYNTAX OF THE COMMAND SET.
                                         114
                                         115
                                         116
117
                                                 INPUTS:
                               ÖÖÖÄ
                               000A
                                         118
                                                         4(AP) = ADDRESS OF REQUEST DESCRIPTOR
                               OOOA
                                         119
                                         119
120
121
122
123
124
125
126
127
128
129
130
                                                 OUTPUTS:
                               000A
                               MOOA
                                                         NONE
                               OOOA
                               000A
                       OFFC
                               000A
                                                                    DCLSDCLPARSE, -
                                                          .ENTRY
                               0000
                                                                     ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
                               0000
52
       0000000 GF
                         DE
                               0000
                                                         MOVAL
                                                                    GACTLSGL_DCLPRSOWN,R2
                                                                                                     GET ADDRESS OF WRK POINTER
        5B
             O4 AC
                               0013
                                                         MOVL
                                                                    4(AP),R1T
                                                                                                      :GET ADDRESS OF REQUEST DESCRIPTOR
                               0017
                               0017
                                         131
132
133
134
135
136
137
138
139
                                                IF NO COMMAND STRING IS SPECIFIED, AND WE ARE NOT PROMPTING, THEN CAUSE ALL SUBSEQUENT INTERFACE REQUESTS TO REFER TO THE ALREADY PARSED ORIGINAL COMMAND LINE.
                               0017
                               0017
                               0017
                               0017
                               0017
               OC AB
                                                                                                      COMMAND STRING SPECIFIED?
                                                          TSTL
                                                                     INT_L_ENTADDR(R11)
                                                                                                      YES, THEN BRANCH
ROUTINE LIST SPECIFIED?
                               001A
                                                         BNEQ
                                                                     205
                   0E
                         DO
13
D5
12
        50
                               001C
               18
                   AB
                                                          MOVL
                                                                     INT_L_LIST(R11),R0
                               0020
                   05
                                                         BEQL
                                                                     105
                                                                                                      NO, THEN BRANCH
               80
                   A0
                                                          TSTL
                                                                    INT_L_CONTINRTN(RO)
                                                                                                      CONTINUATION ROUTINE SPECIFIED?
                               0025
                   03
                                                         BNEQ
                                                                     205
                                                                                                      ; YES, THEN BRANCH
                               0027
                          31
                01A3
                                              105:
                                                         BRW
                                                                    RESTORE_SUPER_MODE
                                                                                                      :NO, RESTORE THE SUPERVISOR MODE COMMAND
                               002A
                               002A
                                         144
                                         145
                                                 VALIDATE THE TABLE STRUCTURE. IF OLD, SUPPORTED VERSION, THEN UPGRADE THEM
                                         146
147
148
                                                 BEHIND THE USER'S BACK.
                                                                    INT_L_FREEVM(R11)
INT_L_GETVM(R11)
INT_L_TABLES(R11)
INT_L_TABLES(R11)
#4,G^CDU$UPGRADE_TABLE
R0,35$
                                              205:
                                                                                                     ;PUSH ADDR OF LIBSFREE VM ROUTINE
;PUSH ADDR OF LIBSGET VA ROUTINE
;PUSH PLACE TO RETURN CONVERTED ADDRESS
               14 AB
                                                         PUSHL
               10 AB
                                         149
150
151
152
153
154
155
156
157
158
                          DD
                                                         PUSHL
               04 AB
                          9F
                                                         PUSHAB
                               0033
0036
0030
                                                                                                     PUSH ADDRESS OF TABLES : VALIDATE AND POSSIBLY CONVERT TABLES
               04
                          DD
                   AB
                                                         PUSHL
00000000 GF
                         FB
E9
                                                          CALLS
               21 50
                                                         BLBC
                                                                                                      SIGNAL ERROR AND EXIT
                               0040
                               0040
                               0040
                                                IF NO USER MODE WRK BLOCK HAS BEEN ALLOCATED BEFORE. THEN ALLOCATE
                                                 AND INITIALIZE ONE NOW.
                                                                                                     ;WRK BLOCK ALLOCATED?
;NO, THEN BRANCH
;USER WRITABLE?
                         DQ
13
            5A
                   62
                                                         MOVL
                                                                     (R2),R10
                                                                    30$
                   OA.
                               0043
                                         160
                                                         BEQL
                                                                   #PSLSC_USER,-
#-WRK_K_LENGTH,-
WRK_K_LENGTH(R10)
508
                               0045
                   03
                          0D
                                                         PROBEW
                                         161
                               0047
                                         162
163
            OB7A 8F
                   CA
            F486
                          12
                                         164
165
                               004D
                                                         BNEQ
                                                                                                      YES, THEN BRANCH
```

DEFAULT\_PROMPT,R1

RO, WRK\_W\_PMPTLEN(R10)

(R1)+,R0

GET ADDRESS OF ASCIC DEFAULT PROMPT

GET LENGTH OF PROMPT

GET DEFAULT PROMPT STRING

(Ż)

DCLPARSE

FF25

50

7D

50

F99E CA

00D7

OODC

OODF

00E4 00E4 MOVAB

MOVQ

MOVZBL

51

**V04-000** 

		- PARSE A DE	DCL COMMAND CL COMMAND	L 11 15-SEP-1984 4-SEP-1984	23:42:55 VAX/VMS Macro V04-00 23:40:07 [DCL.SRC]DCLPARSE.MAR;1	Page 5 (2)
		00E4 00E4	223 : IF COMMAND	IS MISSING, THEN PROMPT	FOR IT NOW	
50	000388FA 8F F99E CA 20 63 0C AB	DO 00E4 B1 00EB 00EF	225 70\$: MOVL 226 CMPW 227 228 BGTRU 229 TSTL	#CLIS_STRTOOLNG,RO WRK_W_PMPTLEN(R10),- #ENT_R_MAX_PROMPT 200\$ INT_L_ENTADDR(R11)	YES, THEN EXIT IS COMMAND PRESENT?	
	50 F9AA CA 51 F99E CA 011B	9E 00FC 30 0101 0104 0104	223 : IF COMMAND 224 : 225 70\$: MOVL 226 CMPW 227 228 BGTRU 229 TSTL 230 BNEQ 231 MOVL 232 MOVAB 233 BSBW 234 :	75\$************************************	;YES, THEN SKIP ;GET PROMPT ROUTINE ;GET PROMPT STRING ;GET THE COMMAND LINE	
		0104 0104	236 : IF EOF WAS	FOUND, THEN RETURN THAT	STATUS.	
50	00000000'8F 24 FEF0'	01 0104 12 0108 30 0100 04 0110 0111	236 : IF EOF WAS 237 : 238 : CMPL 239 : BNEQ 240 : BSBW 241 : RET 242 243 :	#RMS\$_EOF,RO 80\$ DCL\$GENEOL	END OF INPUT? NO, START PROCESSING THE COMMAND; GENERATE EOL DESCRIPTOR; EXIT	
		0111 0111	244 : COPY USER S	UPPLIED INPUT STRING IN	ITO SCRATCH AREA	
	50 OC AB 0000 CO 0100 8F	0111 DO 0111 B1 0115 0119	245 : 246 75\$: MOVL CMPW 248 249 BGTRU MOVAB 251 252 MOVC 253 254 255 CLRB 256 257 : GET FIRST TO	INT_L_ENTADDR(R11),R DSC\$W_LENGTH(R0),- #WRK_C_INPBUFSIZ 180\$	GET ADDRESS OF COMMAND DESCRIPTOR CHECK IF TOO BIG FOR INPUT BUFFER	
	F895 CA	1A 011C	249 BGTRU 250 MOVAB	WKK_G_INPBUF-1(RIO),	BRANCH IF STRING IS TOU BIG - SET INPUT STRING POINTER	
	F48E CA 0000'C0 0000'D0	9E 011E 0122 28 0125 0129 012C 94 012F 0131 0131	251 252 MOVC 253	WRK_L_CHARPTR(R10) DSC\$W_LENGTH(R0),- adsc\$A_POINTER(R0),-	COPY STRING INTO INPUT BUIFER	
	F896 CA 63	94 012F 0131	255 CLRB	WRK_G_INPBUF(R10)	PUT NULL STOPPER AS END-0 LINE	
			257 : 258 : GET FIRST TO	OKEN FROM COMMAND LINE		
	FECC' FEC9' 15 58 04 AB FECO' 12 50	30 0134 13 0137 00 0139	259 260 80\$: BSBW 261 BSBW 262 BEQL 263 MOVL 264 BSBW 265 BLBC 266 BRB 267 268 180\$: STATU 269 BRB 270 271 190\$: STATU 272 200\$: BSBW BRB 273 BRB 274 275 : PROCESS COM 277 278 PARSE_VERB QU BSBW BSBW 279	DCL\$MARK DCL\$GETOKEN 190\$ INT_L_TABLES(R11),R8 DCL\$SEARCH_VERB R0,200\$ PARSE_VERB_QUALS	;MARK CURRENT PARSE POSITION ;GET COMMAND VERB ;IF NONE, RETURN ERROR ;GET ADDRESS OF COMMAND TABLES ;SEARCH VERB TABLE FOR VERB ;BRANCH IF ERROR	
	07	0145 11 0140	268 180\$: STATU 269 BRB	S BUFOVF 200\$	; INPUT STRING IS TOO BIG FOR BUFFE	₹
	FEA8'	30 0155 11 0158 015A	271 190\$: STATU 272 200\$: BSBW 273 BRB 274	S NOCOMD DCL\$GENEOL EXIT	;SET NO COMMAND STATUS ;GENERATE EOL DESCRIPTOR ;EXIT WITH ERROR	
		015A 015A	276 PROCESS COM	MAND QUALIFIERS AND PAR	AMETERS	
	FEA3'	015A 30 015A	278 PARSE_VERB_QU 279 BSBW	ALS: DCL\$PARSE_COMMAND	; PARSE THE REST OF THE COMMAND	

DCLPARSE V04-000

DCLPARSE V04-000				- PA	ARSE A D	OCL C	OMMAND MAND		M 11	15-SEP-1984 4-SEP-1984	4 23:42:55 4 23:40:07	VAX/VM [DCL.S	S Macro RC]DCLI	o V04-00 PARSE.MAR;1	Page	(2)
	000380B0 8	3F	50 01	D1 12 04 E9	015D 0164 0166	280 281		CMPL BNEQ	RO #CLIS	_NOCOMD	: IF NO	OT CTRLZ CHECK F	-ED OR ERRO	ORS MAND STATUS		
		07	50	E9	0166 0167 016 <b>A</b>	282 283 284	10\$:	RET BLBC	RO,EXIT		;ELSE ;SIGN	RETURN AL ANY E	NO COMI RRORS	MAND STATUS		
					016A 016A 0171	012345678901234567890 88888888899999999999 77722222223	NORMAL_	EXIT: STATUS	NORMAL		;SET	NORMAL S	TATUS			
:					0171 0171	289 290	SIGNA	L ALL ER	RORS.							
		02	50 0B	E8 10 04	0171 0174 0176 0177	291 292 293	ÉXIT: 90\$:	BLBS BSBB RET	RO,90\$ ERRORMSG							
					0177 0177 0177	295 296 297	HANDL	E ERRORS	DETECTED	BY THE CHAR	RACTER INP	UT ROUTI	NES			
	00000000'G	F	50 01	DD FB 04	0177 0179 0180	298 299 300	ÉRROR:	PUSHL CALLS RET	RO #1,G^LIB	<b>S</b> SIGNAL	;SAVE ;SIGN ;RETU	ERROR/S AL THE E RN TO CA	TATUS V RROR LLER	VALUE		

95 13

D5 13

DD

**B**0

**B**0

DD

DO

DO

18

51

17

5È

01

8F

05

08

**7E** 

**7E** 

54

00038248

019D

019F

01A1

01A3

01A5 01A5

01A5

01A5 01A5

01A8

**01AA** 

01AD

01B0

01B6

01B9

OIBC

DCLSMARKEDTOKEN BSBW GET DESCRIPTOR OF CURRENT PARSE STRING TSTB (R2)DOES TOKEN START WITH EOL CHAR? BEQL 40\$ : IF SO, ASSUME AT EOL AND SKIP TEXT TSTL :WILL ANY TOKEN BE SHOWN? BEQL 40\$ : IF NOT, SKIP TEXT

(3)

Build the command line part of the message argument vector.

349 350 351 353 305: MOVQ R1,-(SP):PUSH SEGMENT DESCRIPTOR ON STACK SP PUSHL :PUSH ADDRESS OF SEGMENT DESCRIPTOR #^X0011,-(SP) ONLY OUTPUT THE TEXT PART MOVW #1,-(SP) ONE FAO ARGUMENT MOVU MCLIS\_CMDSEG M5,R5 PUSHL PUSH MESSAGE CODE SET ARGUMENT COUNT MOVL MOVL #2\*4.R4 SET STACK USAGE

D(

V

CI

T! 59 T! 87

16

T

MA

RSB

DCLPARSE V04-000

DCLPARSE VO4-000

```
446
                      .SBTTL GET INPUT FROM THE USER
                                    ; DCL$USER_INPUT - GET INPUT FROM THE USER
                                      THIS ROUTINE CALLS A USER-SUPPLIED INPUT ROUTINE WITH A PROMPT TO GET ADDITIONAL COMMAND INFORMATION FROM THE USER.
                                      THE FORMAT OF THE CALL IS:
                                                        ADDRESS OF RETURN DESCRIPTOR ADDRESS OF PROMPT DESCRIPTOR
                                              P1 =
                                              P2 = P3 =
                                                        ADDRESS OF WORD TO RECEIVE THE RETURN LENGTH
                                      INPUTS:
                               460
                                                        ADDRESS OF USER INPUT ROUTINE ADDRESS OF PROMPT STRING DESCRIPTOR
                               461
                                              R0 =
                                              R1 =
                      021F
                                              R10 =
                                                        ADDRESS OF COMMAND DATA STRUCTURE
                      021F
                               464
                      021F
                                   : OUTPUTS:
                               465
                      021F
                               466 :
                      021F
                                              R0 =
                                                        STATUS OF THE READ
                      021F
                               466 :-
                      021F
                               469
                              021F
021F
0222
0225
0228
0228
          54
52
21
50
    7E
7E
5E
55
                7D
7D
C2
                                                        R4,-(SP)
R2,-(SP)
                                                                                       :SAVE R4 AND R5
                                                                                       SAVE RZ AND R3
                                                        WENT K MAX PROMPT+1, SP. RO, R5
                                                                                       :ALLOCATE PROMPT BUFFER
                                                                                       :SAVE ROUTINE ADDR
                              476:
477: IF A PROMPT WAS SUPPLIED, THEN PUSH ITS DESCRIPTOR ON THE STACK.
478:
479: ISTL R1: WAS A PROMPT SUPPLIED?
                      0228
                      022B
                      022B
                D5
13
7D
11
                     022B
                     022D
022F
0232
                                                                                       :NO. THEN CREATE ONE
;PUSH DESCRIPTOR OF PROMPT STRING
                               480
          05
                                              BEQL
                                                        10$
   7E
          61
                               481
                                              MOVQ
                                                        (R1),-(SP)
                               482
                                              BRB
                                                        20$
                                                                                       :ISSUE THE PROMPT
                      0234
                               483
                      0234
                               484
                     02344
022348
02233A
02233D
022448
0225
0225
0225
0225
                               485
                                   : IF NO PROMPT WAS SUPPLIED. THEN BUILD A CONTINUATION PROMPT ON THE STACK.
                              486
487 10$:
6E
      5F 8F
                                                        #^A/_/,(SP)
                                              MOVB
                                                                                       :INSERT AN UNDERSCORE
          5E
                DD
                               488
                                              PUSHL
                                                                                       PUSH PROMPT BUFFER ADDRESS
                                                        SP
                DO
                               489
                                              MOVL
                                                        #1,-(SP)
                                                                                       INIT PROMPT LENGTH
   F99E CA
                               490
                                                        WRK_W_PMPTLEN(R10),(SP)
                                                                                       SET PROMPT BUFFER LENGTH
                                              ADDW
                              491
492
493
                DD
28
                                              PUSHL
                                                                                       SAVE ROUTINE ADDRESS
                                                        WRK W PMPTLEN(R10) -- aurk C PMPTADDR(R10) -- 13(SP)
    F 99E
          CA
                                              MOVC3
                                                                                       COPY IT INTO THE PROMPT BUFFER
    F9A2
         DA
         AE
55 BEDO
                               494
      OD
                               495
                                              POPL
                                                                                       RESTORE ROUTINE ADDRESS
                               496
                               497
                      0250
                               498
                                   ; SET UP PROMPT PARAMETERS AND THEN ISSUE THE PROMPT.
                      0250
                               499
   F894 CA
                     ŎŽŠŎ
                               500 20$:
                9E
                                              MOVAB
                                                        WRK_G_INPBUF-2(R10),-
                                                                                       :GET ADDRESS OF INPUT STRING
                      0254
                               501
      FF A2
                9E
                               502
                     0255
                                              MOVAB
                                                        -1(R2),-
                                                                                       RESET THE CHARACTER POINTER
```

F 12

<del></del>								7 <del></del>	
DCLPARSE VO4-000				- P/ GET	ARSE A DC INPUT FR	CL COMMAND ROM THE USER		G 12 15-SEP-1984 23 4-SEP-1984 23	:42:55 VAX/VMS Macro V04-00 Page 13 :40:07 [DCL.SRC]DCLPARSE.MAR;1 (7)
	7E	F48E 0100	CA 52 8f	DD 3C	0258 025B 025D	503 504 505	PUSHL MOVZWL	WRK_L_CHARPTR(R10) R2 #WRK_C_INPBUFSIZ,-(SP)	PUSH ADDRESS OF INPUT BUFFER PUSH SIZE OF INPUT BUFFER
		00 08 65	03 53 52	FB 8EDO 8EDO	0262 0262 0264 0267 026A 026D 0270 0273	503 504 505 506 507 508 509 511 512 513	PUSHAL PUSHAL PUSHAL CALLS POPL POPL BLBC	(SP) 12(SP) 8(SP) #3,(R5) R3 R2 R0,90\$	:PUSH ADDRESS OF RETURN LENGTH :PUSH ADDRESS OF PROMPT STRING DESC :PUSH ADDRESS OF RETURN DESC :GET THE INPUT :GET INPUT SIZE :GET INPUT ADDRESS :SIGNAL ANY ERROR
					0276 0276	515 ; 516 ; INSER	AN EOL	MARKER	
		6	243	94	0276 0276 0279	517; 518 519	CLRB	(R2)[R3]	; INSERT EOL CHARACTER
					0279 0279	520 ; 521 ; IF THE	RECORD	IS A FULL LINE COMMENT,	REPROMPT NOW
		62	21 D2	91 13	0279 0279 0270 027E	520; 521; IF THE 522; 523; 524; 525; 526; 527; IF THE	CMPB BEQL	#^A/!/,(R2) 20\$	; IS FIRST CHAR AN EXCLAMATION MARK? ; REPROMPT IF SO
					027E 027E 027E 027E 027E	526 ; 527 : IF THE 528 : INSER' 529 : THAT I	PREVIO	US RECORD ENDED WITH TRA E AT THE FRONT OF THE CU RS ARE DELIMITED PROPERL	RRENT INPUT RECORD SO
		06 50	09	E5	027E 027E 0280	530 ; 531 532	BBCC	WWRK V TRAILSPC	:IF CLR. NO TRAILING SPACE SEEN
		06 F0 50 F	20 D77	. 30	0283 0286 0289	533 534 535	MOVB BSBW	#WRK V TRAILSPC WRK D FLAGS(R10),80\$ #^A7 7,R0 DCL\$BACKUPCHAR	SET SPACE CHARACTER APPEND TO FRONT OF INPUT BUFFER
					0289 0289	536 : 537 : EXIT F	ROM INP	UT ROUTINE	
	0000	50 5E 52 54 08	50 05	13	00000000000000000000000000000000000000	527 : IF THE 528 : INSER' 530 : THAT I 530 : 531 533 534 535 : EXIT I 538 : 80\$: 539 80\$: 540 90\$: 541 542 543	MOVL ADDL MOVQ MOVQ BLBS CMPW BEQL	#1,R0 #ENT K MAX_PROMPT+1+8,S (SP) +,R2 (SP) +,R4 R0,100\$ R0,#RMS\$_EOF&^XFFFF 110\$	RETURN SUCCESS PRESTORE THE STACK RESTORE REGISTERS SKIP IF SUCCESS EOF STATUS? YES, RETURN GENERIC EOF CALL ERROR HANDLER
		F9AE	DA	16 05	029F 02A3	546 547 100 <b>\$</b> :	JSB RSB	awrk_L_ERRORRTN(R10)	; CALL ERROR HANDLER

MOVL RSB

.END

#RMS\$\_EOF,RO

;RETURN GENERIC EOF

50 00000000°8f

DCLPARSE Symbol table	- PARSE A DCL COMMAND	H 12 15-SEP-1984 23:42:55 VAX/VMS Macro V04-00 Page 4-SEP-1984 23:40:07 [DCL.SRC]DCLPARSE.MAR;1
CDUSUPGRADE TABLE CLIS BUFOVF CLIS CMDSEG CLIS NOCOMD CLIS NORMAL CLIS STRTOOLNG CTLSGL CLINTOWN CTLSGL CLINTOWN CTLSGL DCLPRSOWN CTRLZ DCLSBACKUPCHAR DCLSBGENEOL DCLSBGENEOL DCLSBGENEOL DCLSBGENEOL DCLSBARKEDTOKEN DCLSMARKEDTOKEN DCLSMARKEDTOKEN DCLSPARSE COMMAND DCLSSEARCH VERB DCLSUSER IRPUT DCL B FLAGS DCL B PARAM DCL L CSIZE DCL L DEFADDR DCL L FREEVM DCL L TOKEN DCL L GETVM DCL L GUAL DCL L TOKEN DCL W DEFLEN DEALLOC OWN DCL L GETVM INT L FREEVM INT	= 00038018	WEK 8 MINPARM WEK 8 PARMSUM WEK 8 VALLEV WEK 6 VERBITV WEK 7 VERBITV WEK 8 VERBITV WEK 8 VERBITV WEK 8 VERBITV WEK 8 VERBITV WEK 9 VERBITV WEK 1 VERBITV WEK 2 VERBITV WEK 1 VERBITV WEK 2 VERBITV WEK 3 VERBITV WEK 2 VERBITV WEK 3 VERBITV WEK 4 VERBITV WEK 5 VERBITT WER 5 VERBTT WER

14 (7)

DCLPARSE Psect synopsis	- PARS	PARSE A DCL COMMAND  I 12 15-SEP-1984 23:42:55 4-SEP-1984 23:40:07						5 VAX/VMS Macro VO4-00 7 [DCL.SRC]DCLPARSE.MAR;1					Page		
			! F	sect synop	+ sis !										
PSECT name  . ABS . \$ABS\$ DCL\$ZCODE	000000 FFFFF 000002	00 ( FC (	0.) 0.) 684.)	PSECT No. 00 ( 0.) 01 ( 1.) 02 ( 2.)	Attrib NOPIC NOPIC NOPIC	USR USR USR USR	CON CON CON	ABS ABS REL	LCL	NOSHR NOSHR NOSHR	NOEXE EXE EXE	NORD RD RD	WRT	NOVEC NOVEC NOVEC	BYTE
			! Peri	ormance in	dicators	-+ ! -+									
Phase Initialization Command processing Pass 1 Symbol table sort Pass 2 Symbol table output Psect synopsis output Cross-reference output Assembler run totals	Page faults  15 96 285 0 118 11 2 0 527	00:( 00:( 00:( 00:( 00:(	Time 00:00.05 00:00.67 00:10.06 00:01.43 00:02.04 00:00.03	00:00: 00:00: 00:00: 00:00: 00:00: 00:00:	02.30 09.82 28.80 02.25 06.73 00.57										

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Macro library statistics !

## Macro library name Macros defined \_\$255\$DUA28:[SYSLIB]SYSBLDMLB.MLB;1 \_\$255\$DUA28:[DCL.OBJ]DCL.MLB;1 \_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 \_\$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries) 0 13

1047 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:DCLPARSE/OBJ=OBJ\$:DCLPARSE MSRC\$:DCLPARSE/UPDATE=(ENH\$:DCLPARSE)+EXECML\$/LIB+LIB\$:DCL/LIB+SYS\$LIBRARY:SYSBLDMLB/LIB

0069 AH-BT13A-SE

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